Course of Study Computer Science (Study Cohort w17)

	-	-			core qualification compulsory			Focus Compulsory		Thesis Compulsory		
	e course plan A Bachelor Computer S					Core Qualificati	ion Elective Con	npulsory Specialisation Elective Compulsory	Focus Elective Compulsory		Interdisciplinary complement	
Special	isation1Computational Mathematics	Semester 2 Fe	orm Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6		Form Hrs/wl
1 2 3 4 5 6	Discrete Algebraic Structures VL 2 Discrete Algebraic Structures VL 2 Discrete Algebraic Structures GÜ 2	Objectoriented Programming, Algorithms and Structures Objectoriented Programming, Algorithms and Data Structures Objectoriented Programming, Algorithms and Data Structures		Computer Engineering Computer Engineering Computer Engineering	VL 3 GŪ 1	Computability and Complexity Theory Computability and Complexity Theory Computability and Complexity Theory	VL 2 GÜ 2	Seminars Computer Science and Mathem Seminar Computational Engineering Science Seminar Computational Mathematics/Computer Science Seminar Engineering Mathematics/Computer Science	SE 2	Algebra and Control Algebra and Control Algebra and Control		VL 2 GŪ 2
7	Procedural Programming	Automata Theory and Formal Languages		Computernetworks and Internet Security		Signals and Systems		Software Industrial Internship		Solvers for Sparse Line	ear Systems	
8 9 10 11	Procedural Programming VL 1 Procedural Programming HÜ 1 Procedural Programming PR 2	Automata Theory and Formal Languages	VL 2 GÜ 2	Computer Networks and Internet Security Computer Networks and Internet Security	VL 3 GÜ 1	Signals and Systems Signals and Systems	VL 3 GÜ 2			Solvers for Sparse Linear Solvers for Sparse Linear	Systems	VL 2 GŪ 2
12 13	Functional Programming	Software Engineering		Mathematics III		Stochastics		Computational Geometry		Mathematics IV		
14 15 16 17 18	Functional Programming VL 2 Functional Programming HÜ 2 Functional Programming GÜ 2	Software Engineering	VL 2 GÜ 2	Mathematics III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	VL 2 GŪ 1 HŪ 1 VL 2 GŪ 1 HŪ 1	Stochastics Stochastics	VL 2 GÜ 2	Computational Geoemetry Computational Geoemetry Computational Geoemetry	VL 2 GÜ 2	Complex Functions Complex Functions Complex Functions Differential Equations 2 Differential Equations 2 Differential Equations 2		VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1
19 20 21 22 23 24	Linear Algebra VL 4 Linear Algebra HÜ 2 Linear Algebra GÜ 2	Mathematical Analysis	VL 4 HÜ 2 GÜ 2	Introduction to Information Security Introduction to Information Security Introduction to Information Security	VL 3 GŨ 2	Graph Theory and Optimization Graph Theory and Optimization Graph Theory and Optimization	VL 2 GÜ 2	Numerical Mathematics I Numerical Mathematics I Numerical Mathematics I	VL 2 GÜ 2	Bachelor Thesis		
25 26						Operating Systems Operating Systems Operating Systems	VL 2 GÜ 2	Combinatorial Structures and Algorithms Combinatorial Structures and Algorithms Combinatorial Structures and Algorithms	VL 3 GÜ 1			
27 28 29 30 31			VL 3 PBL 2			openning systems	30 2	contonnatural su dictores and AugURDINS	30 1			
32												
	Nontechnical Complementary Courses for Bac	helors (from catalogue) - 6LP										

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.